

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. **(Currently Amended)** An arrangement for measuring a pressure in a fluid or gaseous medium, comprising:

- a base plate,
- at least one pressure sensor, which is connected to the base plate, and
- a counterplate, on which the base plate with the pressure sensor or sensors can be mounted, and which has drilled holes through which pressure can be applied to the pressure sensor or sensors,

the at least one pressure sensor having a connecting element which projects, in the mounted state, into one of the drilled holes in the counterplate, and

a centering pin pressed into the base plate or the counterplate to a form fit, and is introduced into a guide hole of the respective other plate.

2. (Original) The arrangement as claimed in claim 1, wherein a sealing element is provided on the connecting element, in the region which is located in the drilled hole in the counterplate after mounting.

3. (Original) The arrangement as claimed in claim 1, wherein at least one further electronic component is arranged on the base plate.

4. (Original) The arrangement as claimed in claim 3, wherein at least parts of a control circuit for a motor vehicle transmission are arranged on the base plate.

5. **(Cancelled)**

6. **(Currently Amended)** The arrangement as claimed in claim 15, wherein the guide hole is embodied as an elongated hole.

7. **(Original)** The arrangement as claimed in claim 1, wherein the pressure sensor is a piezo-electric sensor.

8. **(Previously Presented)** The arrangement as claimed in claim 1, wherein the base plate is composed of a material selected from the group consisting of metal and plastic.

9. **(Original)** The arrangement as claimed in claim 7, wherein the piezoelectric sensor is arranged on a carrier.

10. **(Previously Presented)** The arrangement as claimed in claim 9, wherein the carrier is firmly connected to the base plate by a connection process selecting from the group of processes consisting of bonding, soldering, and welding.

11. **(Original)** The arrangement as claimed in claim 3, wherein the further electronic component is an amplifier.

12. **(Currently Amended)** A method for measuring a pressure in a fluid or gaseous medium, comprising the steps of:

- connecting at least one pressure sensor to a base plate,
- mounting a counterplate on the base plate with the at least one pressure sensor, wherein the counterplate comprises at least one drilled hole into which a connecting element of the at least one pressure sensor projects, and
- applying a pressure through said drilled hole to the at least one pressure sensor,
- aligning the base plate and the counterplate through a centering pin pressed into the base plate or the counterplate to a form fit, and
- introducing the centering pin into a guide hole of the respective other plate.

13. **(Previously Presented)** A method according to claim 12, further comprising the step of sealing the connecting element, in the region of the drilled hole in the counterplate.

14. **(Cancelled)**

15. **(Currently Amended)** A method according to claim 12~~14~~, wherein the guide hole is an elongated hole.